

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR03/01685

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 F25B 21/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 : F25B, H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR, JP : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 7-106640 A (NIPPON DENSO CO.LTD) 21. APR.1995 Claim 1, Fig.5, page 4, lines 39-44	1-4
Y	Claim 1, Fig.5, page 4, lines 39-44	10-14
Y	US 5260851 A (MING D.CHIU) 09.NOV.1993 Fig.1-2	10-14
A	US 5661978 A (PYXIS CORP.) 02.SEP.1997 Fig.6-7	1
A, P	US 6499306 B2(ELECTROGRAFICS INTERNATIONAL CORP.) 31.DEC.2002 Fig.1-4	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 NOVEMBER 2003 (18.11.2003)

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR03/01685

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 7-106640 A	21.04.1995	NONE	
US 5260851 A	09.11.1993	NONE	
US 5661978 A	02.09.1997	NONE	
US 6499306 B2	31.12.2002	US 2002038550 A1 US 6345507 B1	04.04.2002 12.02.2002